

Please amend the claims as follows:

1-26. (Cancelled)

Please add the following new claims:

--27. (New) A method for optimizing power consumption in a communication system comprising:

detecting an amount of traffic;

detecting a link;

detecting battery usage with an absence of AC power;

detecting a power state of the communication system;

and

selecting at least one power management state from a plurality of power management states based at least in part on the detection of the amount of traffic, the detection of the link, the detection of battery usage with an absence of AC power, and the detection of the power state.

28. (New) The method of claim 27 wherein said power is scaled in relationship to said detected amount of traffic.

29. (New) The method of claim 27, wherein detecting an amount of traffic further comprises detecting whether the amount of traffic is above a certain non-zero threshold.

30. (New) The method of claim 27, wherein detecting an amount of traffic further comprises approximating the amount of traffic, and wherein the amount of traffic exceeds zero.

31. (New) The method of claim 30, wherein said power is scaled in relationship to said approximated amount of traffic.--